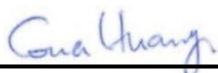


Power Density Evaluation Report

FCC ID : A4RGU0NP
Equipment : Phone
Model Name : GU0NP, GM66V
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, CA, 94043 USA
Standard : FCC 47 CFR Part 2 (2.1093)

The product was received on Jan. 03, 2025 and testing was started from Feb. 27, 2025 and completed on Mar. 07, 2025. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample provide by manufacturer and the test data has been evaluated in accordance with the test procedures given in 47 CFR part2.1093 and has been pass the FCC requirement.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full.



Approved by: Cona Huang / Deputy Manager



Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan



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History of this test report

Report No.	Version	Description	Issued Date
FA4N0920B	01	Initial issue of report	May 12, 2025



1. Summary

The maximum measured average power density found during testing for Google LLC, Phone, are as follows.

Standalone transmission				Max Ratio of simultaneous transmission analysis
RF Transmitter		Measured PD (mW/cm ²)	Reported PD (mW/cm ²)	
5G FR2	n258	0.427	0.75	0.994
	n260	0.314	0.75	
	n261	0.304	0.75	
Result		PASS		

This device is compliance with human exposure to RF radiation limit (1.0 mW/cm²) specified in FCC 47 CFR part1.1310

Reviewed by: Jason Wang

Report Producer: Carlie Tsai

2. Guidance Applied

The Power Density testing specification, method, and procedure for this device is in accordance with the following standards.

- FCC 47 CFR Part 2.1093
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 648474 D04 SAR Evaluation Considerations for Wireless Handsets v01r03
- TCBC workshop notes
- IEC TR 63170



3. Equipment Under Test (EUT) Information

3.1 General Information

Product Feature & Specification	
Equipment Name	Phone
Model Name	GU0NP, GM66V
FCC ID	A4RGU0NP
S / N	4C181FDCG0004V
Frequency Band	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz 5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n12 : 699 MHz ~ 716 MHz 5G NR n14 : 788 MHz ~ 798 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n70 : 1695 MHz ~ 1710 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450MHz ~ 3550MHz 5G NR n78: 3700 MHz ~ 3800 MHz, 3450MHz ~ 3550MHz 5G NR n258 : 24.25 GHz~24.45 GHz, 24.75GHz ~25.25GHz 5G NR n260 : 37 GHz~40 GHz 5G NR n261 : 27.5 GHz~28.35 GHz NTN NB IoT B23: 2000 MHz ~2020 MHz NTN NB IoT B255: 1626.5 MHz ~ 1660.5 MHz WLAN 2.4 GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2 GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3 GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.6 GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8 GHz Band: 5725 MHz ~ 5850 MHz WLAN 5.9 GHz Band: 5850 MHz ~ 5895 MHz WLAN 6E: 5925 MHz ~ 6425 MHz, 6425 MHz~6525 MHz, 6525 MHz~6875 MHz, 6875 MHz~7125 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz NFC: 13.56 MHz WPC: 110 kHz ~ 148.5 kHz(Rx) UWB: 6489.6 MHz, 7987.2 MHz Thread: 2405 MHz ~ 2480 MHz
Mode	GSM/GPRS/EGPRS UMTS: RMC/AMR 12.2Kbps, HSDPA, HSUPA LTE: QPSK, 16QAM, 64QAM, 256QAM NTN: BPSK, QPSK 5G NR: DFT-s-OFDM/CP-OFDM, Pi/2 BPSK/QPSK/16QAM/64QAM/256QAM WLAN: 802.11a/b/g/n/ac/ax/be HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160/EHT20/EHT40/EHT80/EHT160 Bluetooth BR/EDR/LE/CS NFC: ASK WPC: ASK UWB: BPM-BPSK/HPSK Thread: QPSK

4. RF Exposure Limits

4.1 Uncontrolled Environment

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

4.2 Controlled Environment

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. The exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

The criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure above 6GHz to radio frequency (RF) radiation as specified in §1.1310.

General Population Basic restriction for power density for frequencies between 1.5GHz and 100 GHz is $1.0 \text{ mW/cm}^2 = 10 \text{ W/m}^2$

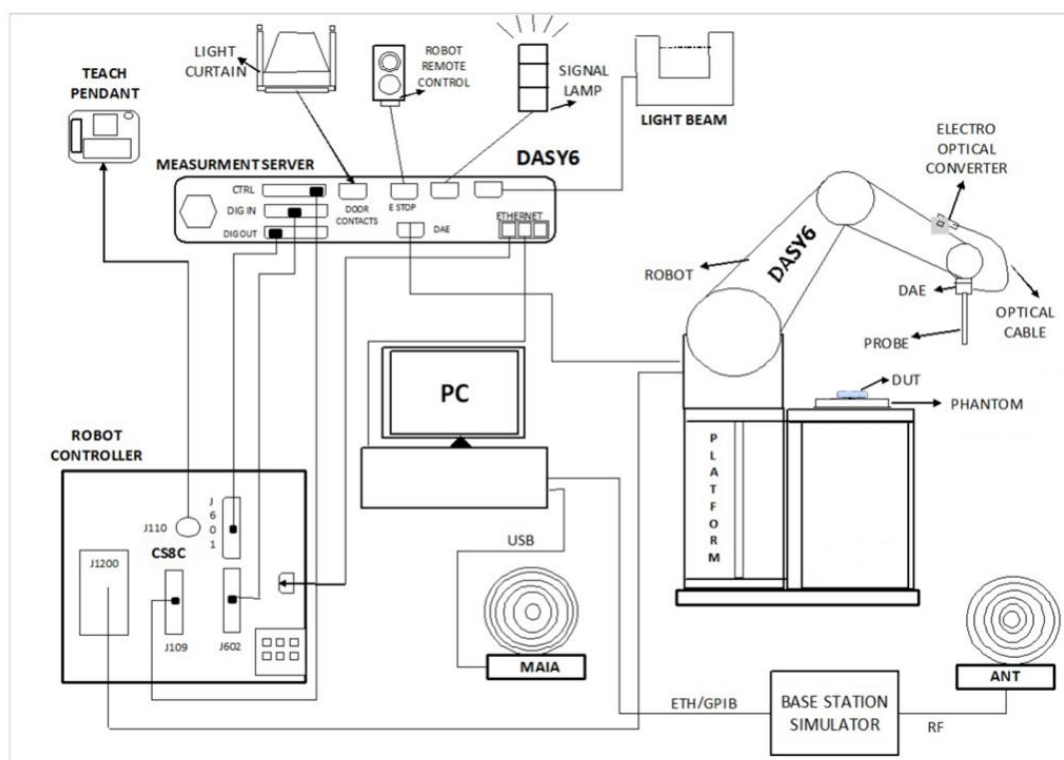
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

Table 1

5. System Description and Setup

The system to be used for the near field power density measurement

- SPEAG DASY6 system
- SPEAG cDASY6 5G module software
- EUmWVx probe
- 5G Phantom cover



5.1 Test Site Location

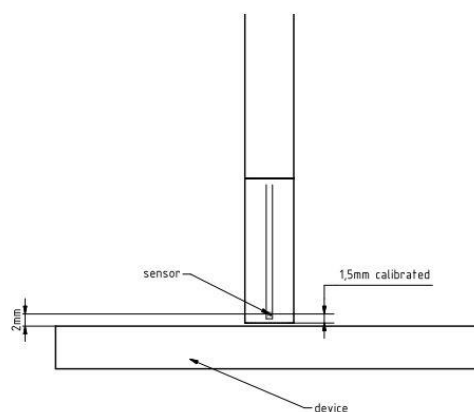
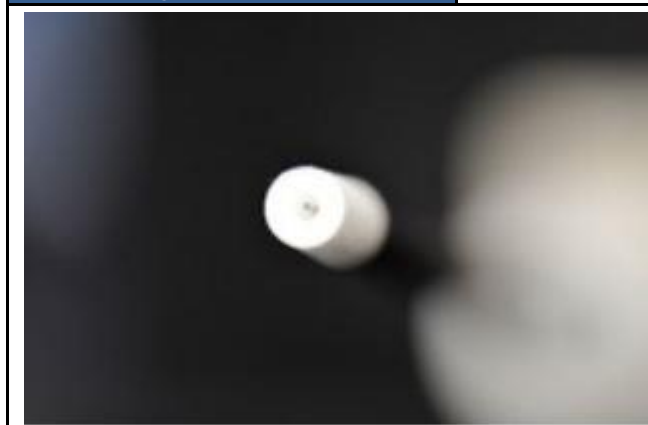
Sporton Lab and below test site location are accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3786) and the FCC designation No. TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test.

Test Site	SPORTON INTERNATIONAL INC. Wensan Laboratory
Test Site Location	TW3786 No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, CHINESE TAIPEI
Test Site No.	SAR17-HY

5.2 EUmmWave Probe / E-Field 5G Probe

The probe design allows measurements at distances as small as 2 mm from the sensors to the surface of the device under test (DUT). The typical sensor to probe tip distance is 1.5 mm.

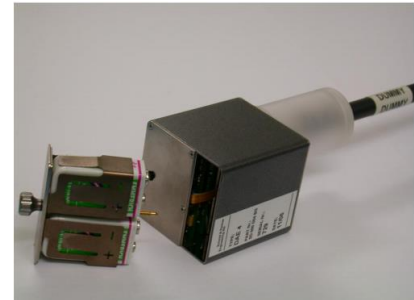
Frequency	750 MHz – 110 GHz
Probe Overall Length	320 mm
Probe Body Diameter	8.0 mm
Tip Length	23.0 mm
Tip Diameter	8.0 mm
Probe's two dipoles length	0.9 mm – Diode loaded
Dynamic Range	< 20 V/m - 10000 V/m with PRE-10 (min < 50 V/m - 3000 V/m)
Position Precision	< 0.2 mm
Distance between diode sensors and probe's tip	1.5 mm
Minimum Mechanical separation between probe tip and a Surface	0.5 mm
Applications	E-field measurements of 5G devices and other mm-wave transmitters operating above 10GHz in < 2 mm distance from device (free-space) Power density, H-field and far-field analysis using total field reconstruction.
Compatibility	cDASY6 + 5G-Module SW1.0 and higher



5.3 Data Acquisition Electronics (DAE)

The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.



5.4 Scan configuration

Fine-resolution scans on 2 different planes are performed to reconstruct the E- and H-fields as well as the power density; the z-distance between the 2 planes is set to $\lambda/4$.

The (x, y) grid step is also set $\lambda/4$, the grid extent is set to sufficiently large to identify the field pattern and the peak.

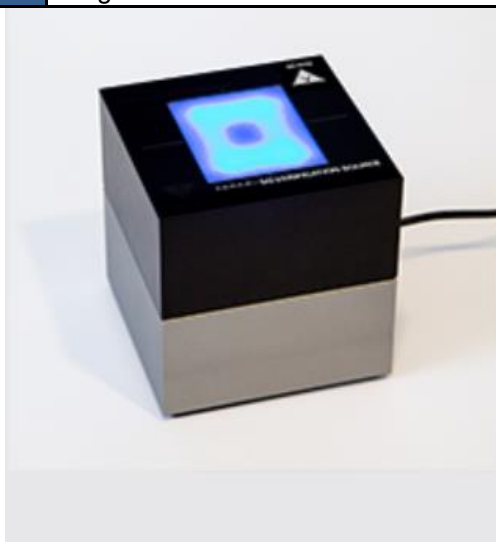
6. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	5G Verification Source	30GHz	1009	May. 14, 2024	May. 13, 2025
SPEAG	EUmmWV Probe Tip Protection	EUmmWV3	9424	Mar. 12, 2024	Mar. 11, 2025
SPEAG	EUmmWV Probe Tip Protection	EUmmWV4	9441	Nov. 13, 2024	Nov. 12, 2025
SPEAG	Data Acquisition Electronics	DAE4	1326	Jul. 15, 2024	Jul. 14, 2025
TESTO	Hygro meter	608-H1	45196600	Oct. 28, 2024	Oct. 27, 2025
TESTO	Hygro meter	608-H1	45207528	Oct. 28, 2024	Oct. 27, 2025
Custom Microwave	Standard Horn antenna	M15RH	V91113-A	NCR	NCR

7. System Verification Source

The System Verification sources at 30 GHz and above comprise horn-antennas and very stable signal generators.

Model	Ka-band horn antenna
Calibrated frequency:	30 GHz at 10mm from the case surface
Frequency accuracy	± 100 MHz
E-field polarization	linear
Harmonics	-20 dBc
Total radiated power	14 dBm
Power stability	0.05 dB
Power consumption	5 W
Size	100 x 100 x 100 mm
Weight	1 kg



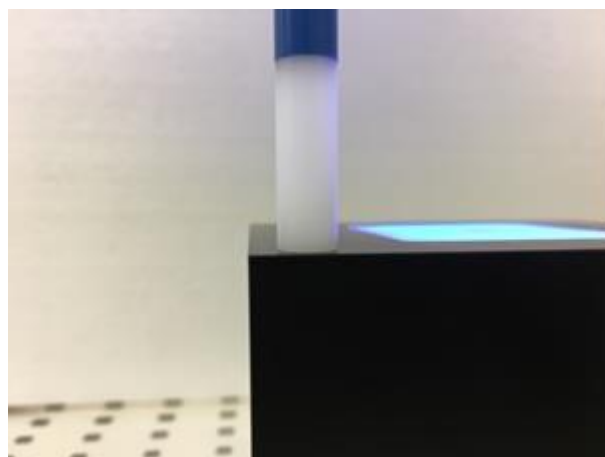
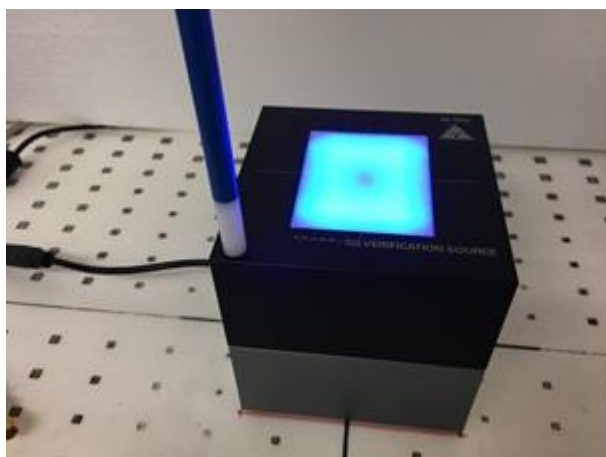
8. Power Density System Verification

The system performance check verifies that the system operates within its specifications.

The EUT is replaced by a calibrated source, the same spatial resolution, measurement region and the test separation used in the calibration was applied to system check. Through visual inspection into the measured power density distribution, both spatially (shape) and numerically (level) have no noticeable difference. The measured results should be within 0.66dB of the calibrated targets.

Frequency [GHz]	Grid step	Grid extent X/Y [mm]	Measurement points
10	$0.25 \left(\frac{\lambda}{4}\right)$	120/120	16×16
30	$0.25 \left(\frac{\lambda}{4}\right)$	60/60	24×24
60	$0.25 \left(\frac{\lambda}{4}\right)$	32.5/32.5	26×26
90	$0.25 \left(\frac{\lambda}{4}\right)$	30/30	36×36

Settings for measurement of verification sources



Verification Setup photo

9. System Verification Results

Frequency (GHz)	5G Verification Source	Probe S/N	DAE S/N	Distance (mm)	Measured 4 cm ² (W/m ²)	Targeted 4 cm ² (W/m ²)	Deviation (dB)	Test Site	Date
30G	30GHz_1009	9424	1326	5.55	32.3	30.6	0.23	SAR01	2025/2/27
30G	30GHz_1009	9441	1326	5.55	32.1	30.6	0.21	SAR01	2025/3/5

Remark:

1. The mmWave System check is also required before each series of continuous measurement and, as applicable, repeated at least weekly

9.1 Computation of the Electric Field Polarization Ellipse

For the numerical description of an arbitrarily oriented ellipse in three-dimensional space, five parameters are needed: the semi-major axis (a), the semi-minor axis (b), two angles describing the orientation of the normal vector of the ellipse (ϕ , θ), and one angle describing the tilt of the semi-major axis (ψ). For the two extreme cases, i.e., circular and linear polarizations, three parameters only (a , ϕ and θ) are sufficient for the description of the incident field.

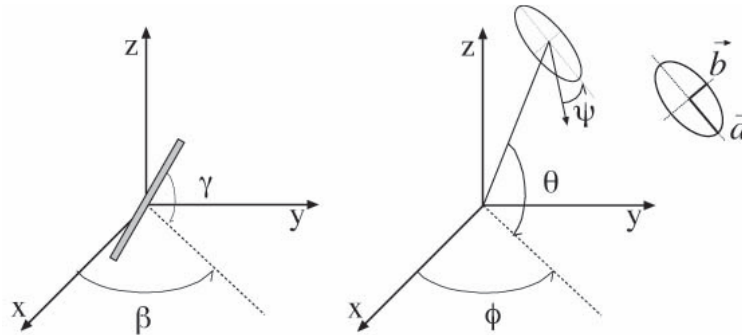


Illustration of the angles used for the numerical description of the sensor and the orientation of an ellipse in 3-D space.

For the reconstruction of the ellipse parameters from measured data, the problem can be reformulated as a nonlinear search problem. The semi-major and semi-minor axes of an elliptical field can be expressed as functions of the three angles (ϕ , θ and ψ). The parameters can be uniquely determined towards minimizing the error based on least-squares for the given set of angles and the measured data. In this way, the number of free parameters is reduced from five to three, which means that at least three sensor readings are necessary to gain sufficient information for the reconstruction of the ellipse parameters. However, to suppress the noise and increase the reconstruction accuracy, it is desirable that the system of equations be over determined. The solution to use a probe consisting of two sensors angled by r_1 and r_2 toward the probe axis and to perform measurements at three angular positions of the probe, i.e., at β_1 , β_2 and β_3 , results in over-determinations by a factor of two. If there is a need for more information or increased accuracy, more rotation angles can be added. The reconstruction of the ellipse parameters can be separated into linear and non-linear parts that are best solved by the Givens algorithm combined with a downhill simplex algorithm. To minimize the mutual coupling, sensor angles are set with a shift of 90 degree ($r_2 = r_1 + 90$ degree), and to simplify, the first rotation angle of the probe (β_1) can be set to 0 degree.

9.2 Total Field and Power Flux Density Reconstruction

Computation of the power density in general requires knowledge of the electric and magnetic field amplitudes and phases in the plane of incidence. Reconstruction of these quantities from pseudo-vector E-field measurements is feasible, as they are constrained by Maxwell's equations. SPEAG have developed a reconstruction approach based on the Gerchberg-Saxton algorithm, which benefits from the availability of the E-field polarization ellipse information obtained with the EUmmWV2 probe.

The average of the reconstructed power density is evaluated over a circular area in each measurement plane. Two average power density values can be computed, the average total power density and the average incident power density, and the average total power density is used to determine compliance.

- $|Re\{S\}|$ is the total Poynting vector
- $n \cdot Re\{S\}$ is the normal Poynting vector

The software post-processing reports to values, "S avg tot" and "S avg inc". "S avg tot" represents average total power density (all three xyz components included), and "S avg inc" represents average normal power density. The average total power density "S avg tot" is reported to determine the device compliance.

9.3 Test Positions

Band	Antenna Module	Close Mode					
		S1 (Front)	S2 (Back)	S3 (Right)	S4 (Left)	S5 (Top)	S6 (Bottom)
5G NR Band 258/260/261	Plane B sub-module	V	V	V	V	V	X

Band	Antenna Module	Open Mode					
		S1 (Front)	S2 (Back)	S3 (Right)	S4 (Left)	S5 (Top)	S6 (Bottom)
5G NR Band 258/260/261	Plane B sub-module	V	V	V	X	V	X

From the Part 0 and simulation report, beam IDs with highest PD and corresponding Plimit were selected to be tested for each antenna module and for each frequency band.

10. RF Exposure Evaluation Results

- The PD test was performed with a 2mm separation between sensor and EUT surface (the probe tip is 0.5mm to the EUT surface).
- This device is enabled with Samsung S.LSI TAS feature, S.LSI TAS will manage and ensure LTE and 5G simultaneous transmission is compliant. The validation of the time-averaging algorithm and compliance under the Tx varying transmission scenario for WWAN technologies are reported in Part 2 report.
- Pimit parameter for 5G mmW NR radio was calculated in RF Exposure Part 0 test report.
- TAS algorithm makes use of the target power per slot in determining consumed RF Exposure ratio. The EIRP control can maintain the required amount of power for either CW tone or actual waveform to ensure the accuracy of actual transmit power. Plimit derived from CW tone signals can be confirmed to apply irrespective of the waveform, therefore the device was configured to transmit CW wave signal for testing by factory test mode.
- Run PD test, from the beam ID with the highest simulated for selected side at middle channel
 - Horizontal polarization (H-only), CW tone signal.
 - Vertical polarization (V-only), CW tone signal.
 - Horizontal + Vertical polarization (H+V) CW tone signal
 - If step b to c result > 50% limit, then repeat for 2nd highest beam ID. If 2nd beam ID result is also > 50% limit, then repeat for 3rd beam ID
 - For Maximum among 2)–3), test low and high channel
 - For Maximum among 2)–4), test other sides, which is within 2.5 cm from the mmwave antenna module
 - Apply the ratio from simulation to scale PD values@2 mm separation distance to PD values@10 mm separation distance.
Repeat steps a)-f) for the rest of the bands and plane
- It's illustrated in Part 0 report that, for 5G mmW NR since there is total design-related uncertainty arising from TxAGC and device-to-device variation, the worst-case RF exposure should be determined by accounting for this device uncertainty of 2.3 dB, as well as PD design target of 4.42 W/m². Therefore, 5G mmW NR RF exposure for this DUT is evaluated by reported PD calculated as:

$$\text{Reported PD} = \text{PD design target} + 2.3 \text{ dB} = 7.5 \text{ W/m}^2 = 0.75 \text{ mW/cm}^2$$

Plot No.	Antenna Module	H	V	Band	Frequency (GHz)	Mode	Exposure Surface	Input Power limit	Test Separation (mm)	Modulation	Epeak (V/m)	Hpeak (A/m)	Measured results Savg inc 4cm^2 (W/m2)	Measured results Savg tot 4cm^2 (W/m2)
	Plane B sub-module	6	-	n258	24.75	Close	Back (S2)_Visor	9.83	2mm	CW	39.3	0.106	0.936	1.09
	Plane B sub-module	-	3	n258	24.75	Close	Back (S2)_Visor	9.83	2mm	CW	56.3	0.139	1.66	1.82
	Plane B sub-module	4	4	n258	24.75	Close	Back (S2)_Visor	9.83	2mm	CW	72.6	0.192	3.21	3.92
	Plane B sub-module	2	2	n258	24.75	Close	Front (S1)	9.83	2mm	CW	13.1	0.033	0.16	0.182
	Plane B sub-module	6	6	n258	24.75	Close	Top (S5)	9.83	2mm	CW	56.1	0.12	1.11	1.78
	Plane B sub-module	0	0	n258	24.75	Close	Right (S3)	9.83	2mm	CW	8.98	0.026	0.08	0.085
	Plane B sub-module	6	6	n258	24.75	Close	Left (S4)	9.83	2mm	CW	37.7	0.085	1.88	1.98
	Plane B sub-module	4	4	n258	24.75	Open	Front (S1)_Visor	9.83	2mm	CW	72.7	0.183	3.16	3.78
	Plane B sub-module	3	3	n258	24.75	Open	Back (S2)	9.83	2mm	CW	18.6	0.053	0.198	0.236
	Plane B sub-module	0	0	n258	24.75	Open	Right (S3)	9.83	2mm	CW	36.8	0.077	0.118	0.127
	Plane B sub-module	6	6	n258	24.75	Open	Top (S5)	9.83	2mm	CW	62.6	0.148	1.67	2.38
1	Plane B sub-module	5	5	n258	24.25	Close	Back (S2)_Visor	9.83	2mm	CW	81.9	0.204	3.67	4.27
	Plane B sub-module	4	4	n258	25.25	Close	Back (S2)_Visor	9.83	2mm	CW	46.2	0.113	1.03	1.23
	Plane B sub-module	4	-	n260	38.50	Close	Back (S2)_Visor	10.4	2mm	CW	40.4	0.118	0.975	1.14
	Plane B sub-module	-	5	n260	38.50	Close	Back (S2)_Visor	10.4	2mm	CW	31.8	0.083	0.787	1
	Plane B sub-module	3	3	n260	38.50	Close	Back (S2)_Visor	10.4	2mm	CW	49.5	0.134	1.93	2.35
	Plane B sub-module	3	3	n260	38.50	Close	Front (S1)	10.4	2mm	CW	15.1	0.044	0.148	0.191
	Plane B sub-module	6	6	n260	38.50	Close	Top (S5)	10.4	2mm	CW	36.4	0.112	0.804	0.87
	Plane B sub-module	6	6	n260	38.50	Close	Right (S3)	10.4	2mm	CW	6.95	0.02	0.035	0.037
	Plane B sub-module	6	6	n260	38.50	Close	Left (S4)	10.4	2mm	CW	23.8	0.056	0.588	0.65
	Plane B sub-module	3	3	n260	38.50	Open	Front (S1)_Visor	10.4	2mm	CW	49.9	0.137	1.85	2.16
	Plane B sub-module	3	3	n260	38.50	Open	Back (S2)	10.4	2mm	CW	25.2	0.073	0.315	0.409
	Plane B sub-module	6	6	n260	38.50	Open	Right (S3)	10.4	2mm	CW	7.11	0.026	0.061	0.068
	Plane B sub-module	5	5	n260	38.50	Open	Top (S5)	10.4	2mm	CW	40.9	0.116	0.887	1.06
2	Plane B sub-module	4	4	n260	37.00	Close	Back (S2)_Visor	10.4	2mm	CW	61.1	0.166	2.72	3.14
	Plane B sub-module	4	4	n260	40.00	Close	Back (S2)_Visor	10.4	2mm	CW	67.9	0.196	1.83	2.3
	Plane B sub-module	5	-	n261	27.925	Close	Back (S2)_Visor	9.65	2mm	CW	36.4	0.092	1.02	1.12
	Plane B sub-module	-	3	n261	27.925	Close	Back (S2)_Visor	9.65	2mm	CW	41.3	0.091	0.959	0.999
	Plane B sub-module	5	5	n261	27.925	Close	Back (S2)_Visor	9.65	2mm	CW	45.5	0.113	1.29	1.46
	Plane B sub-module	6	6	n261	27.925	Close	Front (S1)	9.65	2mm	CW	8.41	0.027	0.082	0.087
	Plane B sub-module	5	5	n261	27.925	Close	Top (S5)	9.65	2mm	CW	33.3	0.075	0.881	1.02
	Plane B sub-module	6	6	n261	27.925	Close	Right (S3)	9.65	2mm	CW	7.22	0.022	0.043	0.05
	Plane B sub-module	6	6	n261	27.925	Close	Left (S4)	9.65	2mm	CW	23.2	0.061	0.918	0.95
	Plane B sub-module	5	5	n261	27.925	Open	Front (S1)_Visor	9.65	2mm	CW	45.3	0.129	1.58	1.84
	Plane B sub-module	6	6	n261	27.925	Open	Back (S2)	9.65	2mm	CW	20.9	0.061	0.202	0.229
	Plane B sub-module	2	2	n261	27.925	Open	Right (S3)	9.65	2mm	CW	7.81	0.029	0.075	0.078
	Plane B sub-module	5	5	n261	27.925	Open	Top (S5)	9.65	2mm	CW	36.2	0.092	1.16	1.25
3	Plane B sub-module	5	5	n261	27.50	Open	Front (S1)_Visor	9.65	2mm	CW	59.8	0.161	2.52	3.04
	Plane B sub-module	5	5	n261	28.35	Open	Front (S1)_Visor	9.65	2mm	CW	44	0.132	1.36	1.65

11. 5G NR + LTE + WLAN + BT Sim-Tx analysis

In 5G NR + LTE + WLAN + BT simultaneous transmission, 5G NR FR2 and LTE/FR1 transmission are managed and controlled by Samsung S.LSI TAS feature, while the RF exposure from WLAN and BT/Thread radios is managed using legacy approach, i.e., through a fixed power back-off if needed.

TAS managed and controlled for Multi-RATs (5G NR + LTE)

The power ratio factors are g_1 and g_2 for LTE/FR1 and FR2 respectively. The main purpose of these power ratio factors is to split the available SAR budget among different RATs, so $g_1 + g_2 \leq 1$. The value of g_1 is computed based on the need of the LTE/FR1 anchor and can be changed if the anchor changes its power request. Based on the SAR Budget portion allocated to the anchor, the value of g_2 will be computed. At steady state (where all RATs are being on for a while), the allocated power ratio factors will guarantee that the total exposure ratio never exceeds the highest exposure of either one.

The reported time-averaged PD is applicable for the worst-surface of the device, and for other surfaces the reported PD is determined as below

1. Calculate ratio of simulated PD for desired surface to simulated PD of worst surface for a given beam
 2. Repeat 1 to obtain ratios for all supported beams, and determine maximum ratio
 3. Repeat 1~2 to obtain the corresponding worst-case PD for other surfaces which are needed for TER analysis.
- *For body-worn and hotspot scenario, SAR was measured at 10mm, respectively, then the worst-case PD at 10mm separation distance should be determined per surface as*
 - *$10mm_worst_case_PD = PD_ratio_10mm_to_2mm * reported\ time_averaged\ PD$*

12. Standalone and Simultaneous-Tx combination

<Close Mode>

Exposure Condition	Mode	Capable TX Configurations	WWAN Power	WiFi Power	BT / Thread Power	
Head (Phone closed)	WWAN Standalone	WWAN	Index2			
	WiFi Standalone	WiFi 2.4G SISO (Ant3 or Ant4)		Index1		
		WiFi 2.4G MIMO/CDD (Ant4+3)				
		WiFi 5G MIMO (Ant3+4)				
		WiFi 6E MIMO (Ant3+4)				
		WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 5G MIMO (Ant3+4)		Index1		
		WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 6E MIMO (Ant3+4)				
		WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 5G MIMO (Ant3+4)				
		WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 6E MIMO (Ant3+4)				
	WiFi + BT / Thread	WiFi 5G MIMO (Ant3+4) + Bluetooth / Thread (Ant4)		Index1	Index1	
		WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant3)				
		WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant4+3)				
		WiFi 6E MIMO (Ant3+4) + Bluetooth / Thread (Ant4)				
		WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant3)				
		WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant4+3)				
	WWAN + WiFi	WWAN + WiFi 2.4G SISO (Ant3 or Ant4)	Index3	Index2		
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3)		Index2		
		WWAN + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 6E MIMO (Ant3+4)				
		WWAN + WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 6E MIMO (Ant3+4)				
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 6E MIMO (Ant3+4)				
	WWAN + BT / Thread	WWAN + Bluetooth / Thread (Ant4)			Index1	
		WWAN + Bluetooth (Ant3)				
		WWAN + Bluetooth (Ant4+3)				
	WWAN + WiFi + BT / Thread	WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth / Thread (Ant4)		Index2	Index1	
		WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant3)				
		WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant4+3)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth / Thread (Ant4)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant3)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant4+3)				
Body (Phone closed)	WWAN Standalone	WWAN	Index5			
	WiFi Standalone	WiFi 2.4G SISO (Ant3 or Ant4)		Index3		
		WiFi 2.4G MIMO/CDD (Ant4+3)				
		WiFi 5G MIMO (Ant3+4)				
		WiFi 6E MIMO (Ant3+4)				
		WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 5G MIMO (Ant3+4)		Index3		
		WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 5G MIMO (Ant3+4)				
		WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 6E MIMO (Ant3+4)				
		WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 6E MIMO (Ant3+4)				
	BT / Thread standalone	Bluetooth / Thread (Ant4)			Index4	
		Bluetooth (Ant3)				
		Bluetooth (Ant4+3)				
	WiFi + BT / Thread	WiFi 5G MIMO (Ant3+4) + Bluetooth / Thread (Ant4)		Index3	Index3	
		WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant3)				
		WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant4+3)				
		WiFi 6E MIMO (Ant3+4) + Bluetooth / Thread (Ant4)				
		WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant3)				
		WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant4+3)				
	WWAN + WiFi	WWAN + WiFi 2.4G SISO (Ant3 or Ant4)	Index6	Index4		

		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3)		Index4		
		WWAN + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 6E MIMO (Ant3+4)				
		WWAN + WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 6E MIMO (Ant3+4)				
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 6E MIMO (Ant3+4)				
	WWAN + BT / Thread	WWAN + Bluetooth / Thread (Ant4)				Index3
		WWAN + Bluetooth (Ant3)				
		WWAN + Bluetooth (Ant4+3)				
	WWAN + WiFi + BT / Thread	WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth / Thread (Ant4)			Index4	Index2
		WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant3)				
		WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant4+3)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth / Thread (Ant4)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant3)				
WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant4+3)						
Hotspot (Phone closed)	WWAN + WiFi	WWAN + WiFi 2.4G SISO (Ant3 or Ant4)	Index4	Index4		
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3)				
		WWAN + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 6E MIMO (Ant3+4)				
		WWAN + WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 6E MIMO (Ant3+4)				
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 6E MIMO (Ant3+4)				
	WWAN + BT / Thread	WWAN + Bluetooth / Thread (Ant4)				Index2
		WWAN + Bluetooth (Ant3)				
		WWAN + Bluetooth (Ant4+3)				
	WWAN + WiFi + BT / Thread	WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth / Thread (Ant4)			Index4	Index2
		WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant3)				
		WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant4+3)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth / Thread (Ant4)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant3)				
WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant4+3)						

<Open Mode>

Exposure Condition	Mode	Capable TX Configurations	WWAN Power	WiFi Power	BT / Thread Power	
Head (Phone open)	WWAN Standalone	WWAN	Index7			
	WiFi Standalone	WiFi 2.4G SISO (Ant3 or Ant4)		Index5		
		WiFi 2.4G MIMO/CDD (Ant4+3)				
		WiFi 5G MIMO (Ant3+4)				
		WiFi 6E MIMO (Ant3+4)				
		WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 5G MIMO (Ant3+4)		Index5		
		WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 6E MIMO (Ant3+4)				
		WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 5G MIMO (Ant3+4)				
		WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 6E MIMO (Ant3+4)				
	WiFi + BT / Thread	WiFi 5G MIMO (Ant3+4) + Bluetooth / Thread (Ant4)		Index5	Index5	
		WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant3)				
		WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant4+3)				
		WiFi 6E MIMO (Ant3+4) + Bluetooth / Thread (Ant4)				
		WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant3)				
		WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant4+3)				
	WWAN + WiFi	WWAN + WiFi 2.4G SISO (Ant3 or Ant4)		Index5		
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3)				
		WWAN + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 6E MIMO (Ant3+4)				
		WWAN + WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 5G MIMO (Ant3+4)		Index5		
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 6E MIMO (Ant3+4)				
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 6E MIMO (Ant3+4)				
	WWAN + BT / Thread	WWAN + Bluetooth / Thread (Ant4) (BDR/EDR + BLE)	Index7		Index5	
		WWAN + Bluetooth (Ant3) (BDR/EDR Only)				
		WWAN + Bluetooth (Ant4+3) (BDR/EDR/BLE)				
	WWAN + WiFi + BT / Thread	WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth / Thread (Ant4)		Index5	Index5	
		WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant3)				
		WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant4+3)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth / Thread (Ant4)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant3)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant4+3)				
Body (Phone open)	WWAN Standalone	WWAN	Index10			
	WiFi Standalone	WiFi 2.4G SISO (Ant3 or Ant4)		Index8		
		WiFi 2.4G MIMO/CDD (Ant4+3)				
		WiFi 5G MIMO (Ant3+4)				
		WiFi 6E MIMO (Ant3+4)				
		WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 5G MIMO (Ant3+4)		Index8		
		WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 5G MIMO (Ant3+4)				
		WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 6E MIMO (Ant3+4)				
		WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 6E MIMO (Ant3+4)				
	BT / Thread standalone	Bluetooth / Thread (Ant4)			Index8	
		Bluetooth (Ant3)				
		Bluetooth (Ant4+3)				
	WiFi + BT / Thread	WiFi 5G MIMO (Ant3+4) + Bluetooth / Thread (Ant4)		Index8	Index7	
		WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant3)				
		WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant4+3)				
		WiFi 6E MIMO (Ant3+4) + Bluetooth / Thread (Ant4)				
		WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant3)				
		WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant4+3)				
	WWAN + WiFi	WWAN + WiFi 2.4G SISO (Ant3 or Ant4)	Index11	Index9		
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3)				
		WWAN + WiFi 5G MIMO (Ant3+4)				

		WWAN + WiFi 6E MIMO (Ant3+4)		Index9		
		WWAN + WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 6E MIMO (Ant3+4)				
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 6E MIMO (Ant3+4)				
	WWAN + BT / Thread	WWAN + Bluetooth / Thread (Ant4)			Index7	
		WWAN + Bluetooth (Ant3)				
		WWAN + Bluetooth (Ant4+3)				
	WWAN + WiFi + BT / Thread	WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth / Thread (Ant4)		Index9	Index6	
		WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant3)				
		WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant4+3)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth / Thread (Ant4)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant3)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant4+3)				
Hotspot (Phone open)	WWAN + WiFi	WWAN + WiFi 2.4G SISO (Ant3 or Ant4)	Index9	Index9		
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3)				
		WWAN + WiFi 5G MIMO (Ant3+4)		Index9		
		WWAN + WiFi 6E MIMO (Ant3+4)				
		WWAN + WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 5G MIMO (Ant3+4)				
		WWAN + WiFi 2.4G SISO (Ant3 or Ant4) + WiFi 6E MIMO (Ant3+4)				
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + WiFi 6E MIMO (Ant3+4)				
	WWAN + BT / Thread	WWAN + Bluetooth / Thread (Ant4)			Index6	
		WWAN + Bluetooth (Ant3)				
		WWAN + Bluetooth (Ant4+3)				
	WWAN + WiFi + BT / Thread	WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth / Thread (Ant4)		Index9	Index6	
		WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant3)				
		WWAN + WiFi 5G MIMO (Ant3+4) + Bluetooth (Ant4+3)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth / Thread (Ant4)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant3)				
		WWAN + WiFi 6E MIMO (Ant3+4) + Bluetooth (Ant4+3)				

General Note:

1. The FR2 plimit is fixed regardless of use cases.
2. The WLAN and Bluetooth SAR test results referenced from the Part1 SAR Report No. FA4N0920C and using for Sim-Tx analysis with FR2.
3. The Sim-Tx configuration combination include in operation description will be match the title in the below Sum-Tx evaluation table
4. For LTE+5GNR+WiFi+BT, due to the TAS control, simultaneous transmission compliance can be assessed on LTE+WiFi/BT and 5GNR +WiFi/BT, and the validation of the time-averaging algorithm and compliance under the Tx varying transmission scenario for WWAN technologies are reported in Part 2 report. For 5GNR FR2 with WiFi, total exposure ratio is calculated as below formula, LTE/FR1 + WIFI simultaneous transmission analysis referring from the report of FCC ID: A4RGU0NP (Sporton SAR Report No. FA4N0920C).

The $\left[\sum \text{ of (the highest measured or estimated SAR for each standalone antenna configuration adjusted for maximum tune-up tolerance) / 1.6 W/kg} \right] + \left[\sum \text{ of MPE ratios} \right] \leq 1.0$.

12.1 Simultaneous transmission analysis for WiFi/BT + 5G NR

*Ratio is highest ratio of (PD on desired exposure plane) / (PD on worst-surface) out of all beams and out of all channels illustrated in Power Density Simulation Report.

<Close Mode>

NR Band	Antenna Module	Exposure condition	Exposure Surface		Evaluation	Ratio*	PD_Design Target +Total uncertainty (W/m ²)	PD_Design Target +Total uncertainty)*Ratio (W/m ²)
					Distance			
					(mm)			
n258	Plane B sub-module	Head	Front Surface	S1	2 mm	0.08	7.5	0.58
n260	Plane B sub-module		Front Surface	S1	2 mm	0.04	7.5	0.33
n261	Plane B sub-module		Front Surface	S1	2 mm	0.07	7.5	0.51

NR Band	Antenna Module	Exposure condition	Exposure Surface		Evaluation	Ratio*	PD_Design Target +Total uncertainty (W/m ²)	PD_Design Target +Total uncertainty)*Ratio (W/m ²)
					Distance			
					(mm)			
n258	Plane B sub-module	Body Worn/Hotspot	worst-surface		10 mm	0.35	7.5	2.59
n260	Plane B sub-module		worst-surface		10 mm	0.30	7.5	2.24
n261	Plane B sub-module		worst-surface		10 mm	0.30	7.5	2.24

NR Band	Antenna Module	Exposure condition	Exposure Surface		Evaluation	Ratio*	PD_Design Target +Total uncertainty	PD_Design Target +Total uncertainty)*Ratio
					Distance		(W/m^2)	(W/m^2)
					(mm)			
n258	Plane B sub-module	Extremity	Front Surface	S1	2 mm	0.08	7.5	0.58
			Back Surface	S2	2 mm	1.00	7.5	7.50
			Right side	S3	2 mm	0.02	7.5	0.13
			Left side	S4	2 mm	0.20	7.5	1.48
			Top side	S5	2 mm	0.26	7.5	1.92
			Bottom side	S6	2 mm	Excluded		
n260	Plane B sub-module		Front Surface	S1	2 mm	0.04	7.5	0.33
			Back Surface	S2	2 mm	1.00	7.5	7.50
			Right side	S3	2 mm	0.02	7.5	0.17
			Left side	S4	2 mm	0.14	7.5	1.03
			Top side	S5	2 mm	0.28	7.5	2.12
			Bottom side	S6	2 mm	Excluded		
n261	Plane B sub-module		Front Surface	S1	2 mm	0.07	7.5	0.51
			Back Surface	S2	2 mm	1.00	7.5	7.50
			Right side	S3	2 mm	0.01	7.5	0.11
			Left side	S4	2 mm	0.11	7.5	0.79
			Top side	S5	2 mm	0.24	7.5	1.82
			Bottom side	S6	2 mm	Excluded		

<Open Mode>

NR Band	Antenna Module	Exposure condition	Exposure Surface		Evaluation	Ratio*	PD_Design Target +Total uncertainty	PD_Design Target +Total uncertainty)*Ratio
					Distance			
					(mm)		(W/m ²)	(W/m ²)
n258	Plane B sub-module	Head	Front Surface	S1	2 mm	1.00	7.5	7.50
n260	Plane B sub-module		Front Surface	S1	2 mm	1.00	7.5	7.50
n261	Plane B sub-module		Front Surface	S1	2 mm	1.00	7.5	7.50

NR Band	Antenna Module	Exposure condition	Exposure Surface		Evaluation	Ratio*	PD_Design Target +Total uncertainty	PD_Design Target +Total uncertainty)*Ratio
					Distance			
					(mm)		(W/m ²)	(W/m ²)
n258	Plane B sub-module	Body Worn/Hotspot	worst-surface		10 mm	0.35	7.5	2.61
n260	Plane B sub-module		worst-surface		10 mm	0.31	7.5	2.36
n261	Plane B sub-module		worst-surface		10 mm	0.28	7.5	2.13

NR Band	Antenna Module	Exposure condition	Exposure Surface		Evaluation	Ratio*	PD_Design Target +Total uncertainty	PD_Design Target +Total uncertainty)*Ratio
					Distance			
					(mm)		(W/m^2)	(W/m^2)
n258	Plane B sub-module	Extremity	Front Surface	S1	2 mm	1.00	7.5	7.50
			Back Surface	S2	2 mm	0.11	7.5	0.79
			Right side	S3	2 mm	0.01	7.5	0.11
			Left side	S4	2 mm	Excluded		
			Top side	S5	2 mm	0.27	7.5	1.99
			Bottom side	S6	2 mm	Excluded		
n260	Plane B sub-module		Front Surface	S1	2 mm	1.00	7.5	7.50
			Back Surface	S2	2 mm	0.10	7.5	0.73
			Right side	S3	2 mm	0.02	7.5	0.18
			Left side	S4	2 mm	Excluded		
			Top side	S5	2 mm	0.29	7.5	2.16
			Bottom side	S6	2 mm	Excluded		
n261	Plane B sub-module		Front Surface	S1	2 mm	1.00	7.5	7.50
			Back Surface	S2	2 mm	0.08	7.5	0.56
			Right side	S3	2 mm	0.01	7.5	0.08
			Left side	S4	2 mm	Excluded		
			Top side	S5	2 mm	0.23	7.5	1.73
			Bottom side	S6	2 mm	Excluded		

<Head Exposure Condition>
<5G NR FR2, WLAN Index 2, BT/Thread Index 1 Close Mode>

WWAN Band		Exposure Position	1	2	3	4	5	6	7	8	Reported SAR/1.6 + PD/10 Summation					
			2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 4+3	5/6GHz WLAN Ant 4+3	Bluetooth/Thread Ant 4	Bluetooth Ant 3	Bluetooth Ant 4+3	PD	1+8 Summed	2+8 Summed	3+8 Summed	4+5+8 Summed	4+6+8 Summed	4+7+8 Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm ² (W/m ²)						
n258	Antenna Module B	Right Cheek	0.293	0.067	0.330	0.326	0.194	0.144	0.252	0.580	0.241	0.100	0.264	0.383	0.352	0.419
		Right Tilted	0.339	0.077	0.323	0.366	0.338	0.079	0.322	0.580	0.270	0.106	0.260	0.498	0.336	0.488
		Left Cheek	0.202	0.096	0.229	0.333	0.162	0.166	0.237	0.580	0.184	0.118	0.201	0.367	0.370	0.414
		Left Tilted	0.229	0.029	0.284	0.252	0.258	0.001	0.341	0.580	0.201	0.076	0.236	0.377	0.216	0.429
n260	Antenna Module B	Right Cheek	0.293	0.067	0.330	0.326	0.194	0.144	0.252	0.330	0.216	0.075	0.239	0.358	0.327	0.394
		Right Tilted	0.339	0.077	0.323	0.366	0.338	0.079	0.322	0.330	0.245	0.081	0.235	0.473	0.311	0.463
		Left Cheek	0.202	0.096	0.229	0.333	0.162	0.166	0.237	0.330	0.159	0.093	0.176	0.342	0.345	0.389
		Left Tilted	0.229	0.029	0.284	0.252	0.258	0.001	0.341	0.330	0.176	0.051	0.211	0.352	0.191	0.404
n260	Antenna Module B	Right Cheek	0.293	0.067	0.330	0.326	0.194	0.144	0.252	0.510	0.234	0.093	0.257	0.376	0.345	0.412
		Right Tilted	0.339	0.077	0.323	0.366	0.338	0.079	0.322	0.510	0.263	0.099	0.253	0.491	0.329	0.481
		Left Cheek	0.202	0.096	0.229	0.333	0.162	0.166	0.237	0.510	0.177	0.111	0.194	0.360	0.363	0.407
		Left Tilted	0.229	0.029	0.284	0.252	0.258	0.001	0.341	0.510	0.194	0.069	0.229	0.370	0.209	0.422

WWAN Band		Exposure Position	1	2	3	4	8	Reported SAR/1.6 + PD/10 Summation		
			2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 4+3	5/6GHz WLAN Ant 4+3	PD	1+4+8 Summed	2+4+8 Summed	3+4+8 Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm ² (W/m ²)			
n258	Antenna Module B	Right Cheek	0.293	0.067	0.330	0.326	0.580	0.445	0.304	0.468
		Right Tilted	0.339	0.077	0.323	0.366	0.580	0.499	0.335	0.489
		Left Cheek	0.202	0.096	0.229	0.333	0.580	0.392	0.326	0.409
		Left Tilted	0.229	0.029	0.284	0.252	0.580	0.359	0.234	0.393
n260	Antenna Module B	Right Cheek	0.293	0.067	0.330	0.326	0.330	0.420	0.279	0.443
		Right Tilted	0.339	0.077	0.323	0.366	0.330	0.474	0.310	0.464
		Left Cheek	0.202	0.096	0.229	0.333	0.330	0.367	0.301	0.384
		Left Tilted	0.229	0.029	0.284	0.252	0.330	0.334	0.209	0.368
n260	Antenna Module B	Right Cheek	0.293	0.067	0.330	0.326	0.510	0.438	0.297	0.461
		Right Tilted	0.339	0.077	0.323	0.366	0.510	0.492	0.328	0.482
		Left Cheek	0.202	0.096	0.229	0.333	0.510	0.385	0.319	0.402
		Left Tilted	0.229	0.029	0.284	0.252	0.510	0.352	0.227	0.386

**<5GNR FR2, WLAN Index 5, BT/Thread Index 5 Open Mode>**

WWAN Band		Exposure Position	1	2	3	4	5	6	7	8	Reported SAR/1.6 + PD/10 Summation					
			2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 4+3	5/6GHz WLAN Ant 4+3	Bluetooth/Thread Ant 4	Bluetooth Ant 3	Bluetooth Ant 4+3	PD	1+8 Summed	2+8 Summed	3+8 Summed	4+5+8 Summed	4+6+8 Summed	4+7+8 Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm ² (W/m ²)						
n258	Antenna Module B	Right Cheek	0.067	0.015	0.080	0.062	0.125	0.189	0.118	7.500	0.792	0.759	0.800	0.867	0.907	0.863
		Right Tilted	0.115	0.001	0.147	0.093	0.170	0.175	0.181	7.500	0.822	0.751	0.842	0.914	0.918	0.921
		Left Cheek	0.098	0.009	0.094	0.147	0.152	0.197	0.119	7.500	0.811	0.756	0.809	0.937	0.965	0.916
		Left Tilted	0.166	0.003	0.192	0.199	0.183	0.077	0.192	7.500	0.854	0.752	0.870	0.989	0.923	0.994
n260	Antenna Module B	Right Cheek	0.067	0.015	0.080	0.062	0.125	0.189	0.118	7.500	0.792	0.759	0.800	0.867	0.907	0.863
		Right Tilted	0.115	0.001	0.147	0.093	0.170	0.175	0.181	7.500	0.822	0.751	0.842	0.914	0.918	0.921
		Left Cheek	0.098	0.009	0.094	0.147	0.152	0.197	0.119	7.500	0.811	0.756	0.809	0.937	0.965	0.916
		Left Tilted	0.166	0.003	0.192	0.199	0.183	0.077	0.192	7.500	0.854	0.752	0.870	0.989	0.923	0.994
n260	Antenna Module B	Right Cheek	0.067	0.015	0.080	0.062	0.125	0.189	0.118	7.500	0.792	0.759	0.800	0.867	0.907	0.863
		Right Tilted	0.115	0.001	0.147	0.093	0.170	0.175	0.181	7.500	0.822	0.751	0.842	0.914	0.918	0.921
		Left Cheek	0.098	0.009	0.094	0.147	0.152	0.197	0.119	7.500	0.811	0.756	0.809	0.937	0.965	0.916
		Left Tilted	0.166	0.003	0.192	0.199	0.183	0.077	0.192	7.500	0.854	0.752	0.870	0.989	0.923	0.994

WWAN Band		Exposure Position	1	2	3	4	8	Reported SAR/1.6 + PD/10 Summation		
			2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 4+3	5/6GHz WLAN Ant 4+3	PD	1+4+8 Summed	2+4+8 Summed	3+4+8 Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm ² (W/m ²)			
n258	Antenna Module B	Right Cheek	0.067	0.015	0.080	0.062	7.500	0.831	0.798	0.839
		Right Tilted	0.115	0.001	0.147	0.093	7.500	0.880	0.809	0.900
		Left Cheek	0.098	0.009	0.094	0.147	7.500	0.903	0.848	0.901
		Left Tilted	0.166	0.003	0.192	0.199	7.500	0.978	0.876	0.994
n260	Antenna Module B	Right Cheek	0.067	0.015	0.080	0.062	7.500	0.831	0.798	0.839
		Right Tilted	0.115	0.001	0.147	0.093	7.500	0.880	0.809	0.900
		Left Cheek	0.098	0.009	0.094	0.147	7.500	0.903	0.848	0.901
		Left Tilted	0.166	0.003	0.192	0.199	7.500	0.978	0.876	0.994
n260	Antenna Module B	Right Cheek	0.067	0.015	0.080	0.062	7.500	0.831	0.798	0.839
		Right Tilted	0.115	0.001	0.147	0.093	7.500	0.880	0.809	0.900
		Left Cheek	0.098	0.009	0.094	0.147	7.500	0.903	0.848	0.901
		Left Tilted	0.166	0.003	0.192	0.199	7.500	0.978	0.876	0.994

<Hotspot Exposure Condition>
<5G NR FR2, WLAN Index 4, BT/Thread Index 2 Close Mode>

WWAN Band		Exposure Position	1	2	3	4	5	6	7	8	Reported SAR/1.6 + PD/10 Summation					
			2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 4+3	5/6GHz WLAN Ant 4+3	Bluetooth/Thread Ant 4	Bluetooth Ant 3	Bluetooth Ant 4+3	PD	1+8 Summed	2+8 Summed	3+8 Summed	4+5+8 Summed	4+6+8 Summed	4+7+8 Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm^2 (W/m^2)						
n258	Antenna Module B	Front	0.001	0.001	0.064	0.341	0.048	0.001	0.055	2.590	0.260	0.260	0.299	0.502	0.473	0.507
		Back	0.154	0.051	0.250	0.333	0.207	0.199	0.201	2.590	0.355	0.291	0.415	0.597	0.592	0.593
		Left side	0.001		0.001	0.061	0.001		0.001	2.590	0.260	0.259	0.260	0.298	0.297	0.298
		Right side	0.001	0.045	0.090	0.234	0.001	0.175	0.136	2.590	0.260	0.287	0.315	0.406	0.515	0.490
		Top side	0.165	0.001	0.334	0.368	0.357	0.054	0.369	2.590	0.362	0.260	0.468	0.712	0.523	0.720
		Bottom side								2.590	0.259	0.259	0.259	0.259	0.259	0.259
n260	Antenna Module B	Front	0.001	0.001	0.064	0.341	0.048	0.001	0.055	2.240	0.225	0.225	0.264	0.467	0.438	0.472
		Back	0.154	0.051	0.250	0.333	0.207	0.199	0.201	2.240	0.320	0.256	0.380	0.562	0.557	0.558
		Left side	0.001		0.001	0.061	0.001		0.001	2.240	0.225	0.224	0.225	0.263	0.262	0.263
		Right side	0.001	0.045	0.090	0.234	0.001	0.175	0.136	2.240	0.225	0.252	0.280	0.371	0.480	0.455
		Top side	0.165	0.001	0.334	0.368	0.357	0.054	0.369	2.240	0.327	0.225	0.433	0.677	0.488	0.685
		Bottom side								2.240	0.224	0.224	0.224	0.224	0.224	0.224
n260	Antenna Module B	Front	0.001	0.001	0.064	0.341	0.048	0.001	0.055	2.240	0.225	0.225	0.264	0.467	0.438	0.472
		Back	0.154	0.051	0.250	0.333	0.207	0.199	0.201	2.240	0.320	0.256	0.380	0.562	0.557	0.558
		Left side	0.001		0.001	0.061	0.001		0.001	2.240	0.225	0.224	0.225	0.263	0.262	0.263
		Right side	0.001	0.045	0.090	0.234	0.001	0.175	0.136	2.240	0.225	0.252	0.280	0.371	0.480	0.455
		Top side	0.165	0.001	0.334	0.368	0.357	0.054	0.369	2.240	0.327	0.225	0.433	0.677	0.488	0.685
		Bottom side								2.240	0.224	0.224	0.224	0.224	0.224	0.224

WWAN Band		Exposure Position	1	2	3	4	8	Reported SAR/1.6 + PD/10 Summation		
			2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 4+3	5/6GHz WLAN Ant 4+3	PD	1+4+8 Summed	2+4+8 Summed	3+4+8 Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm^2 (W/m^2)			
n258	Antenna Module B	Front	0.001	0.001	0.064	0.341	2.590	0.473	0.473	0.512
		Back	0.154	0.051	0.250	0.333	2.590	0.563	0.499	0.623
		Left side	0.001		0.001	0.061	2.590	0.298	0.297	0.298
		Right side	0.001	0.045	0.090	0.234	2.590	0.406	0.433	0.462
		Top side	0.165	0.001	0.334	0.368	2.590	0.592	0.490	0.698
		Bottom side					2.590	0.259	0.259	0.259
n260	Antenna Module B	Front	0.001	0.001	0.064	0.341	2.240	0.438	0.438	0.477
		Back	0.154	0.051	0.250	0.333	2.240	0.528	0.464	0.588
		Left side	0.001		0.001	0.061	2.240	0.263	0.262	0.263
		Right side	0.001	0.045	0.090	0.234	2.240	0.371	0.398	0.427
		Top side	0.165	0.001	0.334	0.368	2.240	0.557	0.455	0.663
		Bottom side					2.240	0.224	0.224	0.224
n260	Antenna Module B	Front	0.001	0.001	0.064	0.341	2.240	0.438	0.438	0.477
		Back	0.154	0.051	0.250	0.333	2.240	0.528	0.464	0.588
		Left side	0.001		0.001	0.061	2.240	0.263	0.262	0.263
		Right side	0.001	0.045	0.090	0.234	2.240	0.371	0.398	0.427
		Top side	0.165	0.001	0.334	0.368	2.240	0.557	0.455	0.663
		Bottom side					2.240	0.224	0.224	0.224

<5G NR FR2, WLAN Index 9, BT/Thread Index 6 Open Mode>

WWAN Band		Exposure Position	1	2	3	4	5	6	7	8	Reported SAR/1.6 + PD/10 Summation					
			2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 4+3	5/6GHz WLAN Ant 4+3	Bluetooth/Thread Ant 4	Bluetooth Ant 3	Bluetooth Ant 4+3	PD	1+8 Summed	2+8 Summed	3+8 Summed	4+5+8 Summed	4+6+8 Summed	4+7+8 Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm ² (W/m ²)						
n258	Antenna Module B	Front	0.126	0.054	0.194	0.369	0.225	0.244	0.242	2.610	0.340	0.295	0.382	0.632	0.644	0.643
		Back	0.081	0.039	0.185	0.189	0.201	0.194	0.243	2.610	0.312	0.285	0.377	0.505	0.500	0.531
		Left side								2.610	0.261	0.261	0.261	0.261	0.261	0.261
		Right side	0.001	0.054	0.120	0.286	0.001	0.330	0.109	2.610	0.262	0.295	0.336	0.440	0.646	0.508
		Top side	0.155		0.343	0.266	0.361		0.369	2.610	0.358	0.261	0.475	0.653	0.427	0.658
		Bottom side								2.610	0.261	0.261	0.261	0.261	0.261	0.261
n260	Antenna Module B	Front	0.126	0.054	0.194	0.369	0.225	0.244	0.242	2.360	0.315	0.270	0.357	0.607	0.619	0.618
		Back	0.081	0.039	0.185	0.189	0.201	0.194	0.243	2.360	0.287	0.260	0.352	0.480	0.475	0.506
		Left side								2.360	0.236	0.236	0.236	0.236	0.236	0.236
		Right side	0.001	0.054	0.120	0.286	0.001	0.330	0.109	2.360	0.237	0.270	0.311	0.415	0.621	0.483
		Top side	0.155		0.343	0.266	0.361		0.369	2.360	0.333	0.236	0.450	0.628	0.402	0.633
		Bottom side								2.360	0.236	0.236	0.236	0.236	0.236	0.236
n260	Antenna Module B	Front	0.126	0.054	0.194	0.369	0.225	0.244	0.242	2.130	0.292	0.247	0.334	0.584	0.596	0.595
		Back	0.081	0.039	0.185	0.189	0.201	0.194	0.243	2.130	0.264	0.237	0.329	0.457	0.452	0.483
		Left side								2.130	0.213	0.213	0.213	0.213	0.213	0.213
		Right side	0.001	0.054	0.120	0.286	0.001	0.330	0.109	2.130	0.214	0.247	0.288	0.392	0.598	0.460
		Top side	0.155		0.343	0.266	0.361		0.369	2.130	0.310	0.213	0.427	0.605	0.379	0.610
		Bottom side								2.130	0.213	0.213	0.213	0.213	0.213	0.213

WWAN Band		Exposure Position	1	2	3	4	8	Reported SAR/1.6 + PD/10 Summation		
			2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 4+3	5/6GHz WLAN Ant 4+3	PD	1+4+8 Summed	2+4+8 Summed	3+4+8 Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm ² (W/m ²)			
n258	Antenna Module B	Front	0.126	0.054	0.194	0.369	2.610	0.570	0.525	0.613
		Back	0.081	0.039	0.185	0.189	2.610	0.430	0.404	0.495
		Left side					2.610	0.261	0.261	0.261
		Right side	0.001	0.054	0.120	0.286	2.610	0.440	0.474	0.515
		Top side	0.155		0.343	0.266	2.610	0.524	0.427	0.642
		Bottom side					2.610	0.261	0.261	0.261
n260	Antenna Module B	Front	0.126	0.054	0.194	0.369	2.360	0.545	0.500	0.588
		Back	0.081	0.039	0.185	0.189	2.360	0.405	0.379	0.470
		Left side					2.360	0.236	0.236	0.236
		Right side	0.001	0.054	0.120	0.286	2.360	0.415	0.449	0.490
		Top side	0.155		0.343	0.266	2.360	0.499	0.402	0.617
		Bottom side					2.360	0.236	0.236	0.236
n260	Antenna Module B	Front	0.126	0.054	0.194	0.369	2.130	0.522	0.477	0.565
		Back	0.081	0.039	0.185	0.189	2.130	0.382	0.356	0.447
		Left side					2.130	0.213	0.213	0.213
		Right side	0.001	0.054	0.120	0.286	2.130	0.392	0.426	0.467
		Top side	0.155		0.343	0.266	2.130	0.476	0.379	0.594
		Bottom side					2.130	0.213	0.213	0.213

<Body-Worn Exposure Condition>
<5GNR FR2, WLAN Index 4, BT/Thread Index 2 _Close Mode>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	Reported SAR/1.6 + PD/10 Summation					
		2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 4+3	5/6GHz WLAN Ant 4+3	Bluetooth/Thread Ant 4	Bluetooth Ant 3	Bluetooth Ant 4+3	PD	1+8 Summed	2+8 Summed	3+8 Summed	4+5+8 Summed	4+6+8 Summed	4+7+8 Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm ² (W/m ²)						
n258	Antenna Module B	Front	0.001	0.001	0.064	0.341	0.048	0.001	0.055	2.590	0.260	0.260	0.299	0.502	0.473
	Back	0.154	0.051	0.250	0.333	0.207	0.199	0.201	2.590	0.355	0.291	0.415	0.597	0.592	0.593
n260	Antenna Module B	Front	0.001	0.001	0.064	0.341	0.048	0.001	0.055	2.240	0.225	0.225	0.264	0.467	0.438
	Back	0.154	0.051	0.250	0.333	0.207	0.199	0.201	2.240	0.320	0.256	0.380	0.562	0.557	0.558
n260	Antenna Module B	Front	0.001	0.001	0.064	0.341	0.048	0.001	0.055	2.240	0.225	0.225	0.264	0.467	0.438
	Back	0.154	0.051	0.250	0.333	0.207	0.199	0.201	2.240	0.320	0.256	0.380	0.562	0.557	0.558

WWAN Band		Exposure Position	1	2	3	4	8	Reported SAR/1.6 + PD/10 Summation		
			2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 4+3	5/6GHz WLAN Ant 4+3	PD	1+4+8 Summed	2+4+8 Summed	3+4+8 Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm^2 (W/m^2)			
n258	Antenna Module B	Front	0.001	0.001	0.064	0.341	2.590	0.473	0.473	0.512
		Back	0.154	0.051	0.250	0.333	2.590	0.563	0.499	0.623
n260	Antenna Module B	Front	0.001	0.001	0.064	0.341	2.240	0.438	0.438	0.477
		Back	0.154	0.051	0.250	0.333	2.240	0.528	0.464	0.588
n260	Antenna Module B	Front	0.001	0.001	0.064	0.341	2.240	0.438	0.438	0.477
		Back	0.154	0.051	0.250	0.333	2.240	0.528	0.464	0.588

<5GNR FR2, WLAN Index 9, BT/Thread Index 6 _Open Mode>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	Reported SAR/1.6 + PD/10 Summation					
		2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 4+3	5/6GHz WLAN Ant 4+3	Bluetooth/Thread Ant 4	Bluetooth Ant 3	Bluetooth Ant 4+3	PD	1+8 Summed	2+8 Summed	3+8 Summed	4+5+8 Summed	4+6+8 Summed	4+7+8 Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm ² (W/m ²)						
n258	Antenna Module B	Front	0.126	0.054	0.194	0.369	0.225	0.244	0.242	2.610	0.340	0.295	0.382	0.632	0.644
	Back	0.081	0.039	0.185	0.253	0.201	0.194	0.243	2.610	0.312	0.285	0.377	0.545	0.540	0.571
n260	Antenna Module B	Front	0.126	0.054	0.194	0.369	0.225	0.244	0.242	2.360	0.315	0.270	0.357	0.607	0.619
	Back	0.081	0.039	0.185	0.253	0.201	0.194	0.243	2.360	0.287	0.260	0.352	0.520	0.515	0.546
n260	Antenna Module B	Front	0.126	0.054	0.194	0.369	0.225	0.244	0.242	2.130	0.292	0.247	0.334	0.584	0.596
	Back	0.081	0.039	0.185	0.253	0.201	0.194	0.243	2.130	0.264	0.237	0.329	0.497	0.492	0.523

WWAN Band		Exposure Position	1	2	3	4	8	Reported SAR/1.6 + PD/10 Summation		
			2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 4+3	5/6GHz WLAN Ant 4+3	PD	1+4+8 Summed	2+4+8 Summed	3+4+8 Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm^2 (W/m^2)			
n258	Antenna Module B	Front	0.126	0.054	0.194	0.369	2.610	0.570	0.525	0.613
		Back	0.081	0.039	0.185	0.253	2.610	0.470	0.444	0.535
n260	Antenna Module B	Front	0.126	0.054	0.194	0.369	2.360	0.545	0.500	0.588
		Back	0.081	0.039	0.185	0.253	2.360	0.445	0.419	0.510
n260	Antenna Module B	Front	0.126	0.054	0.194	0.369	2.130	0.522	0.477	0.565
		Back	0.081	0.039	0.185	0.253	2.130	0.422	0.396	0.487

<5G NR FR2, BT Index 3_Close Mode>

WWAN Band		Exposure Position	5	6	7	8	Reported SAR/1.6 + PD/10 Summation		
			Bluetooth/ Thread Ant 4	Bluetooth Ant 3	Bluetooth Ant 4+3	PD	5+8 Summed	6+8 Summed	7+8 Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm ² (W/m ²)			
n258	Antenna Module B	Front	0.109	0.001	0.138	2.590	0.327	0.260	0.345
		Back	0.671	0.199	0.708	2.590	0.678	0.383	0.702
n260	Antenna Module B	Front	0.109	0.001	0.138	2.240	0.292	0.225	0.310
		Back	0.671	0.199	0.708	2.240	0.643	0.348	0.667
n260	Antenna Module B	Front	0.109	0.001	0.138	2.240	0.292	0.225	0.310
		Back	0.671	0.199	0.708	2.240	0.643	0.348	0.667

<5G NR FR2, BT Index 7_Open Mode>

WWAN Band		Exposure Position	5	6	7	8	Reported SAR/1.6 + PD/10 Summation		
			Bluetooth/ Thread Ant 4	Bluetooth Ant 3	Bluetooth Ant 4+3	PD	5+8 Summed	6+8 Summed	7+8 Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm ² (W/m ²)			
n258	Antenna Module B	Front	0.619	0.244	0.705	2.610	0.648	0.414	0.702
		Back	0.486	0.194	0.656	2.610	0.565	0.382	0.671
n260	Antenna Module B	Front	0.619	0.244	0.705	2.360	0.623	0.389	0.677
		Back	0.486	0.194	0.656	2.360	0.540	0.357	0.646
n260	Antenna Module B	Front	0.619	0.244	0.705	2.130	0.600	0.366	0.654
		Back	0.486	0.194	0.656	2.130	0.517	0.334	0.623

<Product Specific Exposure Condition>
General Note:

1. Since the 2.4GHz WLAN and Bluetooth SAR was not perform, due to the Hotspot SAR is less than 1.2W/kg.

<5G NR FR2, WLAN Index 4, NFC Close Mode>

WWAN Band		Exposure Position	4	9	8	Reported SAR/4 + PD/10 Summation
			5/6GHz WLAN Ant 4+3 10g SAR (W/kg)	NFC 10g SAR (W/kg)	PD 4cm ² (W/m ²)	4+8+9 Summed
n258	Antenna Module B	Front	1.050	0.001	0.580	0.321
		Back	0.696	0.009	7.500	0.926
		Left side	0.122	0.001	1.480	0.179
		Right side	1.138	0.001	0.130	0.298
		Top side	1.499	0.001	1.920	0.567
		Bottom side		0.001		0.000
n260	Antenna Module B	Front	1.050	0.001	0.330	0.296
		Back	0.696	0.009	7.500	0.926
		Left side	0.122	0.001	1.030	0.134
		Right side	1.138	0.001	0.170	0.302
		Top side	1.499	0.001	2.120	0.587
		Bottom side		0.001		0.000
n260	Antenna Module B	Front	1.050	0.001	0.510	0.314
		Back	0.696	0.009	7.500	0.926
		Left side	0.122	0.001	0.790	0.110
		Right side	1.138	0.001	0.110	0.296
		Top side	1.499	0.001	1.820	0.557
		Bottom side		0.001		0.000

<5G NR FR2, WLAN Index 9, NFC Open Mode>

WWAN Band		Exposure Position	4	9	8	Reported SAR/4 + PD/10 Summation
			5/6GHz WLAN Ant 4+3 10g SAR (W/kg)	NFC 10g SAR (W/kg)	PD 4cm ² (W/m ²)	4+8+9 Summed
n258	Antenna Module B	Front	0.377	0.012	7.500	0.847
		Back	0.787	0.001	0.790	0.276
		Left side		0.001		0.000
		Right side	0.829	0.001	0.110	0.219
		Top side	0.957	0.001	1.990	0.439
		Bottom side		0.001		0.000
n260	Antenna Module B	Front	0.377	0.012	7.500	0.847
		Back	0.787	0.001	0.730	0.270
		Left side		0.001		0.000
		Right side	0.829	0.001	0.180	0.226
		Top side	0.957	0.001	2.360	0.476
		Bottom side		0.001		0.000
n260	Antenna Module B	Front	0.377	0.012	7.500	0.847
		Back	0.787	0.001	0.560	0.253
		Left side		0.001		0.000
		Right side	0.829	0.001	0.080	0.216
		Top side	0.957	0.001	1.730	0.413
		Bottom side		0.001		0.000

Test Engineer : Jacky Chen, Jay Chien, Jimmy Lu, Putzie Chen and EN Liu

13. Uncertainty Assessment

The budget is valid for evaluation distances $> \lambda/2\pi$. For specific tests and configurations, the Uncertainty could be considerably smaller.

Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

cDASY6 Module mmWave Uncertainty Budget Evaluation Distances to the Antennas $> \lambda/2\pi$					
Error Description	Uncertainty Value ($\pm$ dB)	Probability	Divisor	(Ci)	Standard Uncertainty ($\pm$ dB)
Uncertainty terms dependent on the measurement system					
Probe Calibration	0.49	N	1	1	0.49
Probe correction	0.00	R	1.732	1	0.00
Frequency response (BW $\leq$ 1 GHz)	0.20	R	1.732	1	0.12
Sensor cross coupling	0.00	R	1.732	1	0.00
Isotropy	0.50	R	1.732	1	0.29
Linearity	0.20	R	1.732	1	0.12
Probe scattering	0.00	R	1.732	1	0.00
Probe positioning offset	0.30	R	1.732	1	0.17
Probe positioning repeatability	0.04	R	1.732	1	0.02
Sensor mechanical offset	0.00	R	1.732	1	0.00
Probe spatial resolution	0.00	R	1.732	1	0.00
Field impedance dependence	0.00	R	1.732	1	0.00
Amplitude and phase drift	0.00	R	1.732	1	0.00
Amplitude and phase noise	0.04	R	1.732	1	0.02
Measurement area truncation	0.00	R	1.732	1	0.00
Data acquisition	0.03	N	1	1	0.03
Sampling	0.00	R	1.732	1	0.00
Field reconstruction	0.60	R	1.732	1	0.35
Forward transformation	0.00	R	1.732	1	0.00
Power density scaling	0.00	R	1.732	1	0.00
Spatial averaging	0.10	R	1.732	1	0.06
System detection limit	0.04	R	1.732	1	0.02
Uncertainty terms dependent on the DUT and environmental factors					
Probe coupling with DUT	0.00	R	1.732	1	0.0
Modulation response	0.40	R	1.732	1	0.2
Integration time	0.00	R	1.732	1	0.0
Response time	0.00	R	1.732	1	0.0
Device holder influence	0.10	R	1.732	1	0.1
DUT alignment	0.00	R	1.732	1	0.0
RF ambient conditions	0.04	R	1.732	1	0.0
Ambient reflections	0.04	R	1.732	1	0.0
Immunity / secondary reception	0.00	R	1.732	1	0.0
Drift of the DUT		R	1.732	1	
Combined Std. Uncertainty					0.76 dB
Expanded STD Uncertainty (95%)					1.52 dB
Declaration of Conformity:					
The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.					
Comments and Explanations:					
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.					



14. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [3] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [4] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.